



Inventor's name: Takashi IWAMI
Title: Display panel driving method
Application No.: 10/801,638
Filed: March 17, 2004
Group Art Unit: 2871
SUGHRUE Reference No.: Q80393
SUGHRUE Telephone No.: 202-293-7060

1 / 13

FIG. 1

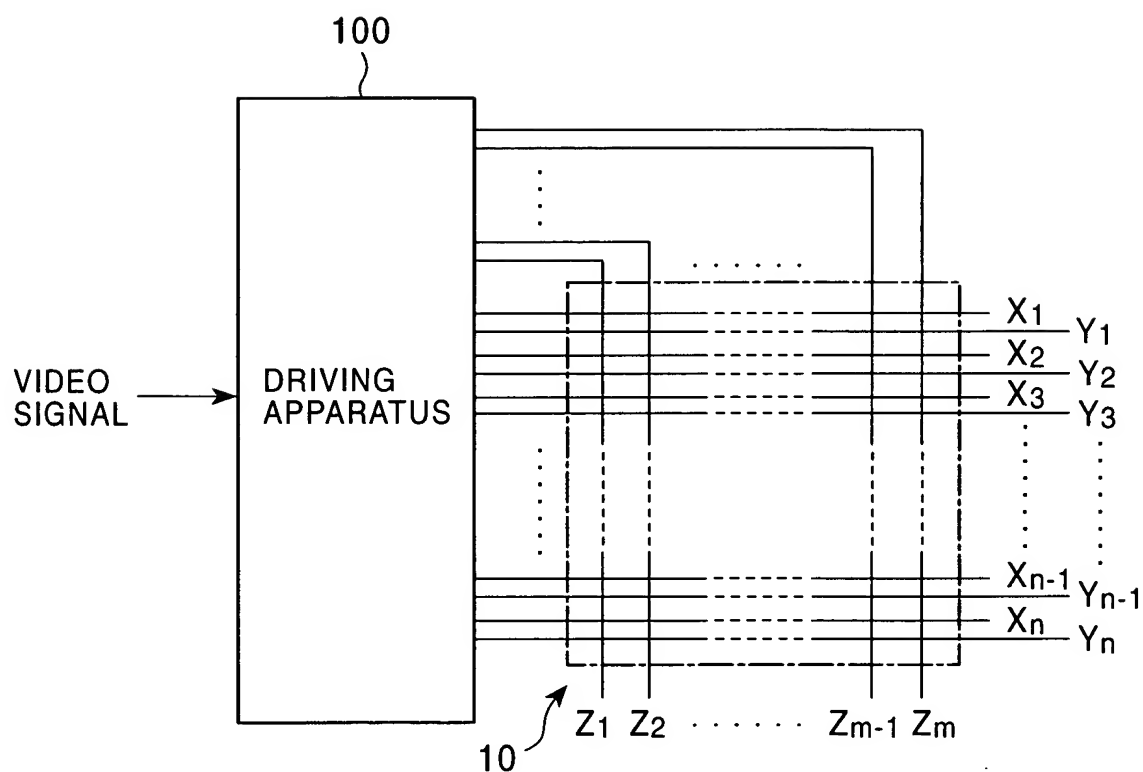


FIG. 2

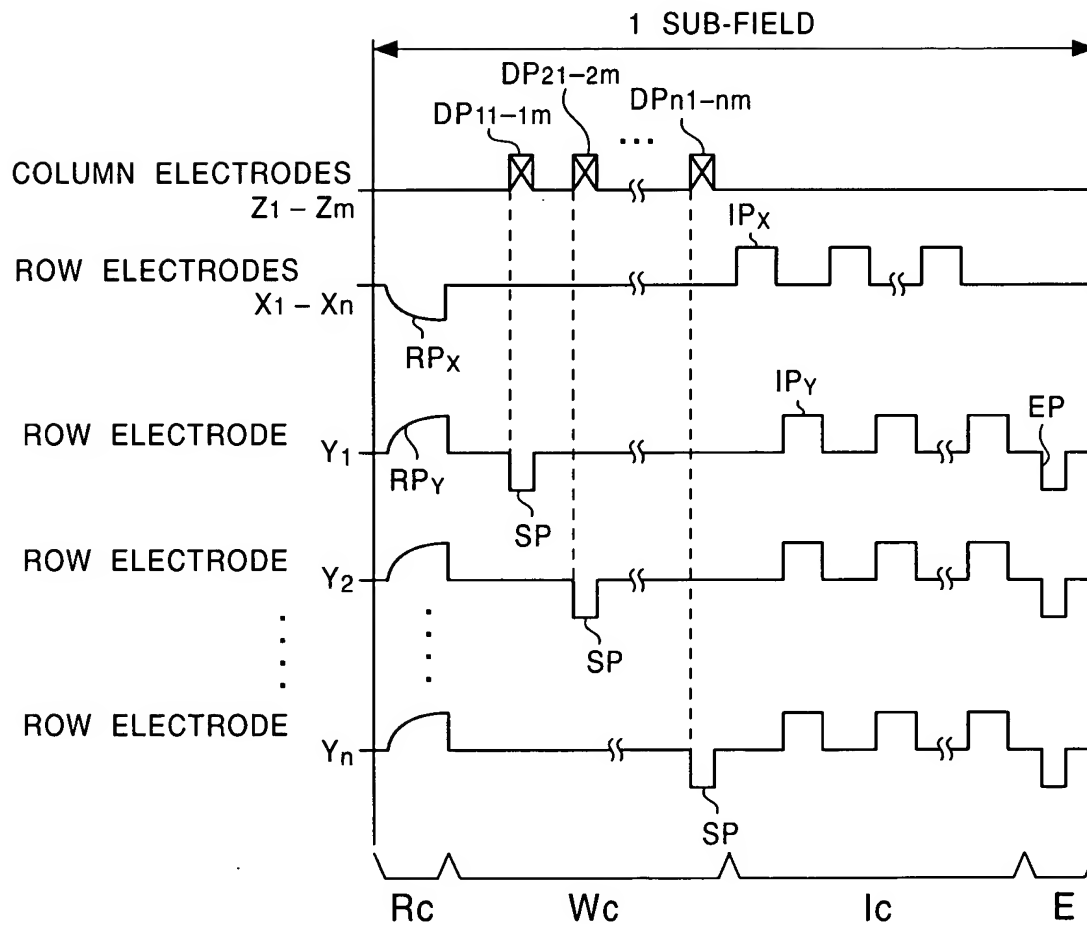


FIG. 3

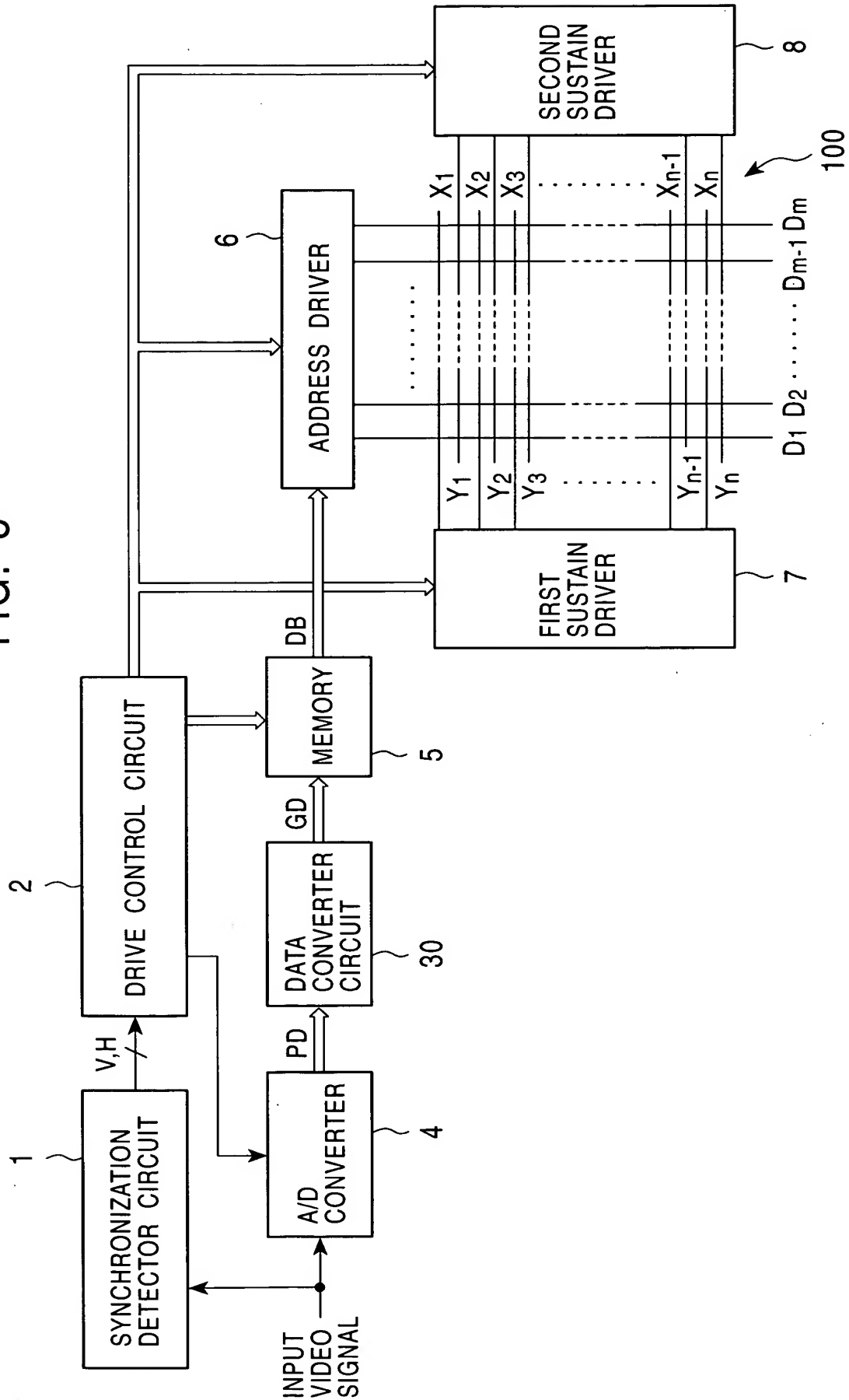


FIG. 4

30

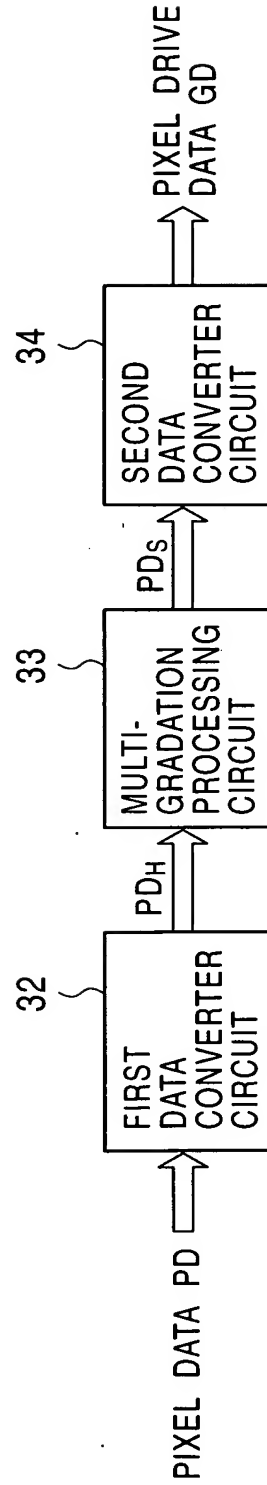


FIG. 5

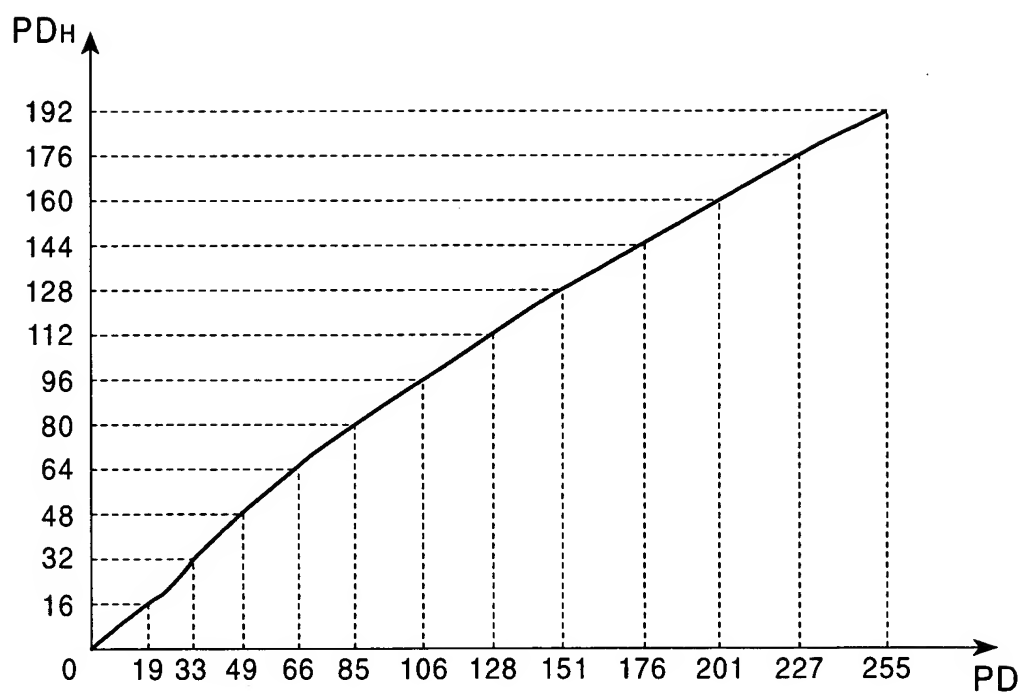


FIG. 6

GRADATION LEVEL	CONVERSION TABLE FOR SECOND DATA CONVERTER CIRCUIT 34												LIGHT EMISSION DRIVING PATTERN FOR ONE FIELD												LUMINANCE	
	PDs	GD												SF SF SF SF SF SF SF SF SF SF SF SF SF SF SF SF												
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11		12
1	0000	1	0	0	0	0	0	0	0	0	0	0	0	●												0
2	0001	0	1	0	0	0	0	0	0	0	0	0	0	○	●											1
3	0010	0	0	1	0	0	0	0	0	0	0	0	0	○	○	●										3
4	0011	0	0	0	1	0	0	0	0	0	0	0	0	○	○	○	●									7
5	0100	0	0	0	0	1	0	0	0	0	0	0	0	○	○	○	○	●								13
6	0101	0	0	0	0	0	1	0	0	0	0	0	0	○	○	○	○	○	●							23
7	0110	0	0	0	0	0	0	1	0	0	0	0	0	○	○	○	○	○	○	●						37
8	0111	0	0	0	0	0	0	0	1	0	0	0	0	○	○	○	○	○	○	○	●					56
9	1000	0	0	0	0	0	0	0	0	1	0	0	0	○	○	○	○	○	○	○	○	●				81
10	1001	0	0	0	0	0	0	0	0	0	1	0	0	○	○	○	○	○	○	○	○	○	●			112
11	1010	0	0	0	0	0	0	0	0	0	0	1	0	○	○	○	○	○	○	○	○	○	○	●		151
12	1011	0	0	0	0	0	0	0	0	0	0	0	1	○	○	○	○	○	○	○	○	○	○	○	●	198
13	1100	0	0	0	0	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	○	○	○	○	255

BLACK CIRCLE: SELECTIVE ERASURE DISCHARGE
WHITE CIRCLE: SUSTAIN DISCHARGE LIGHT EMISSION

FIG. 7

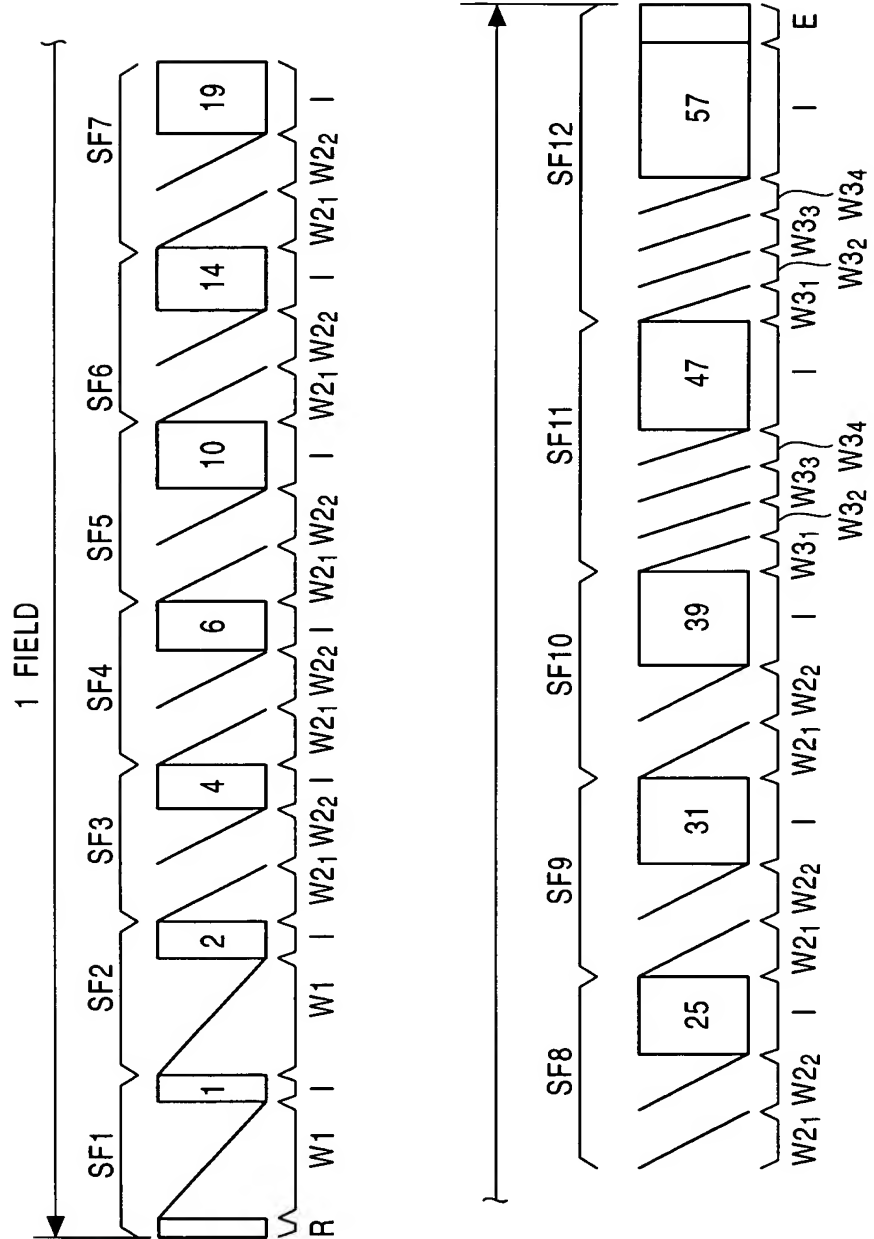


FIG. 8

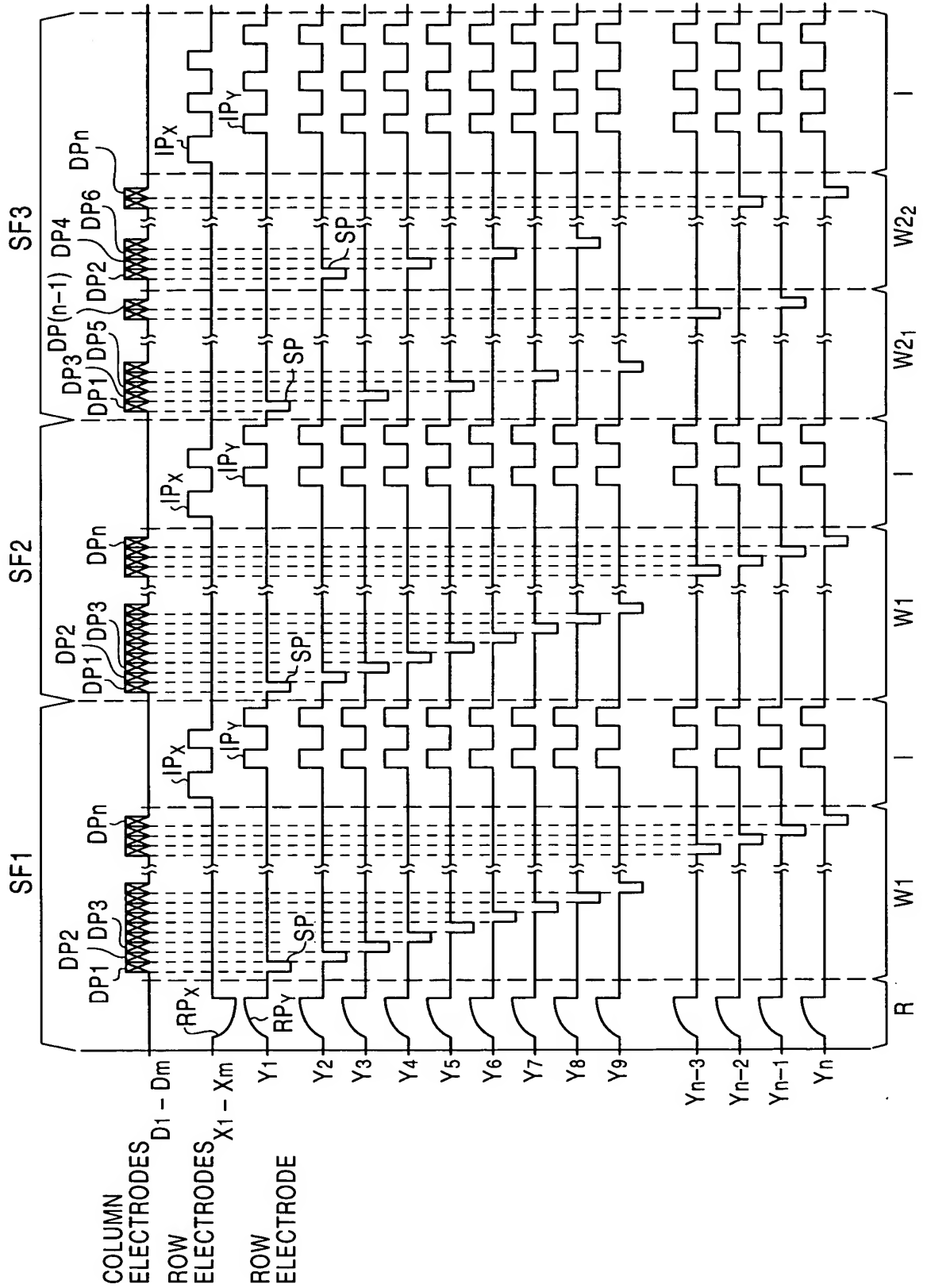


FIG. 9

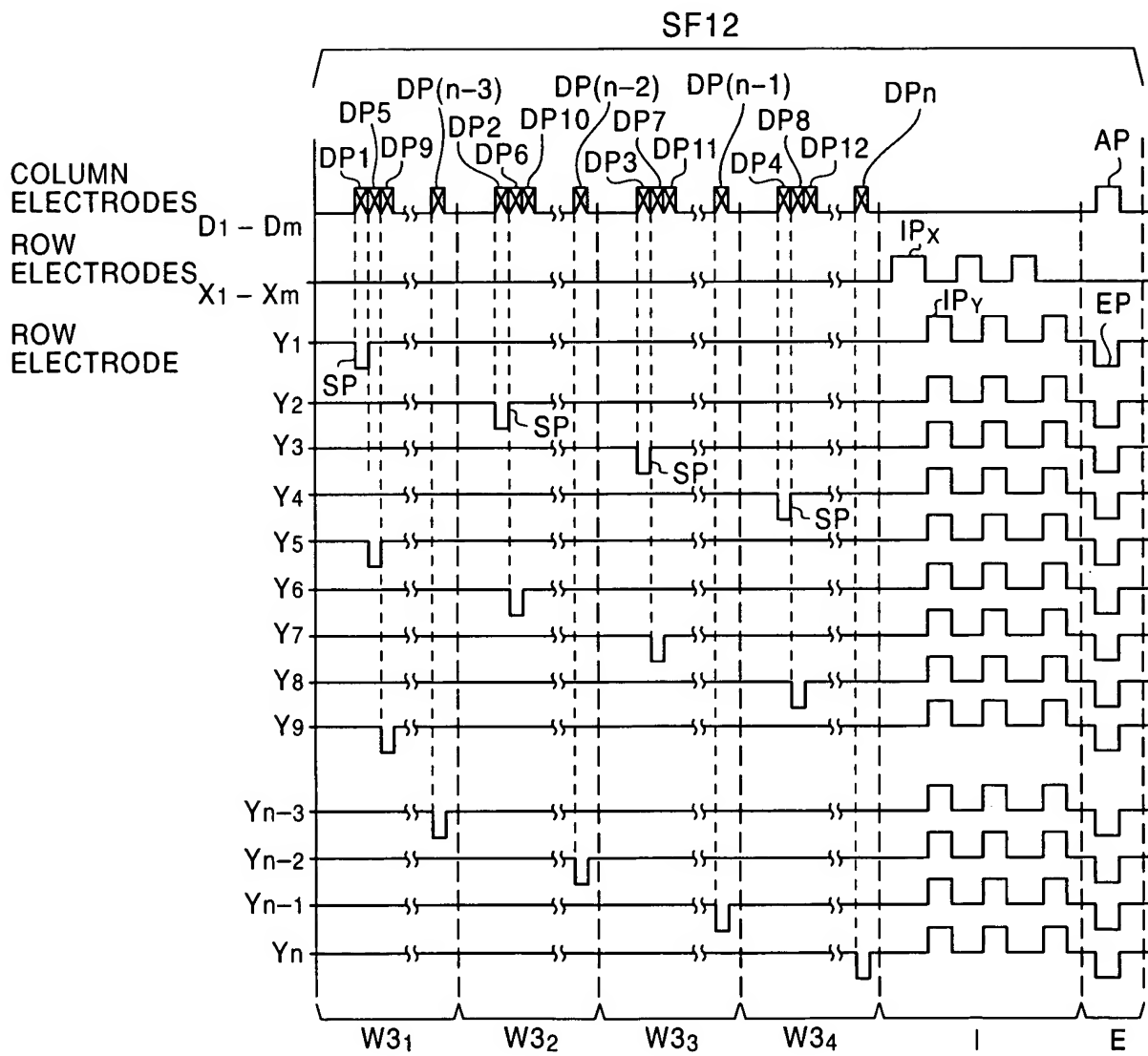


FIG. 10

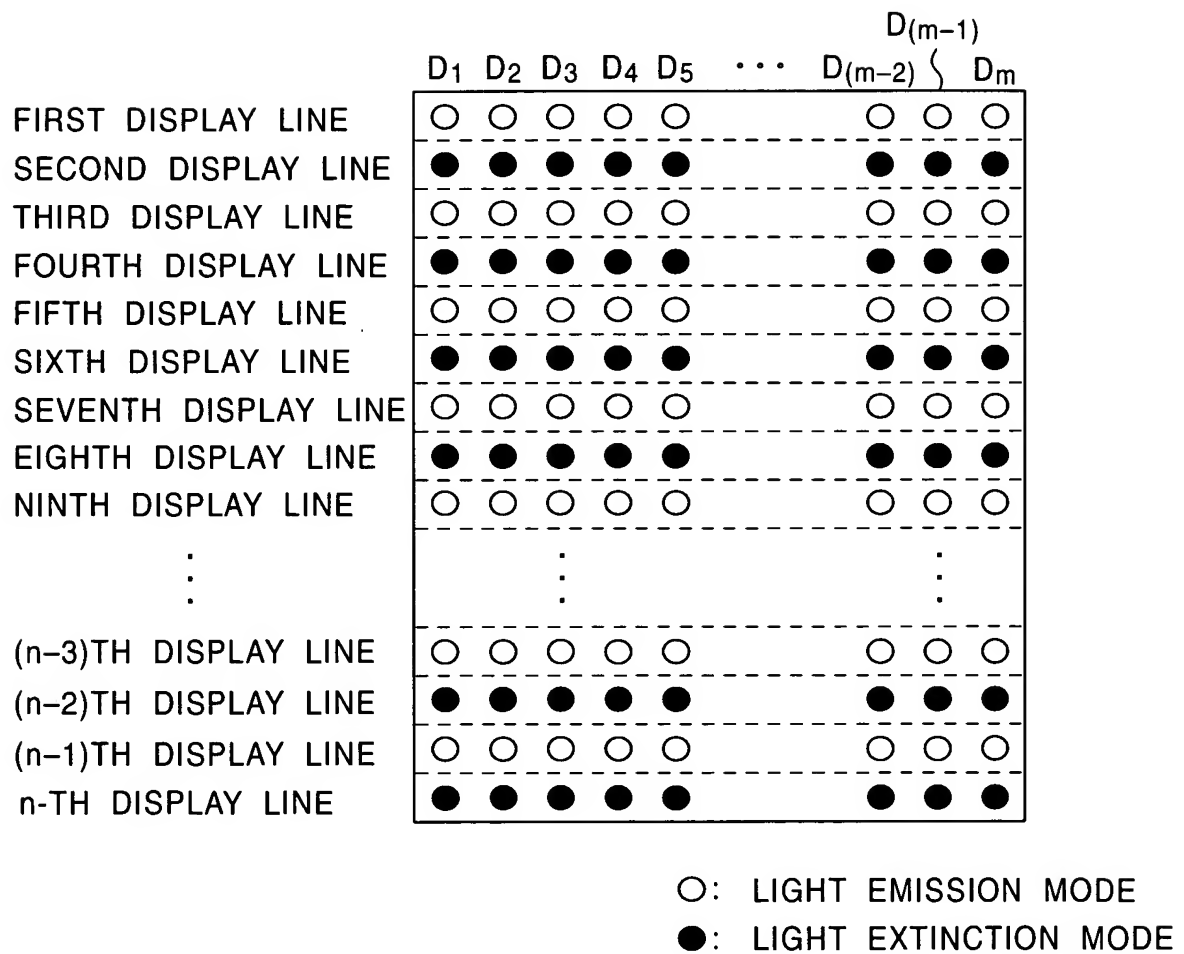


FIG. 11

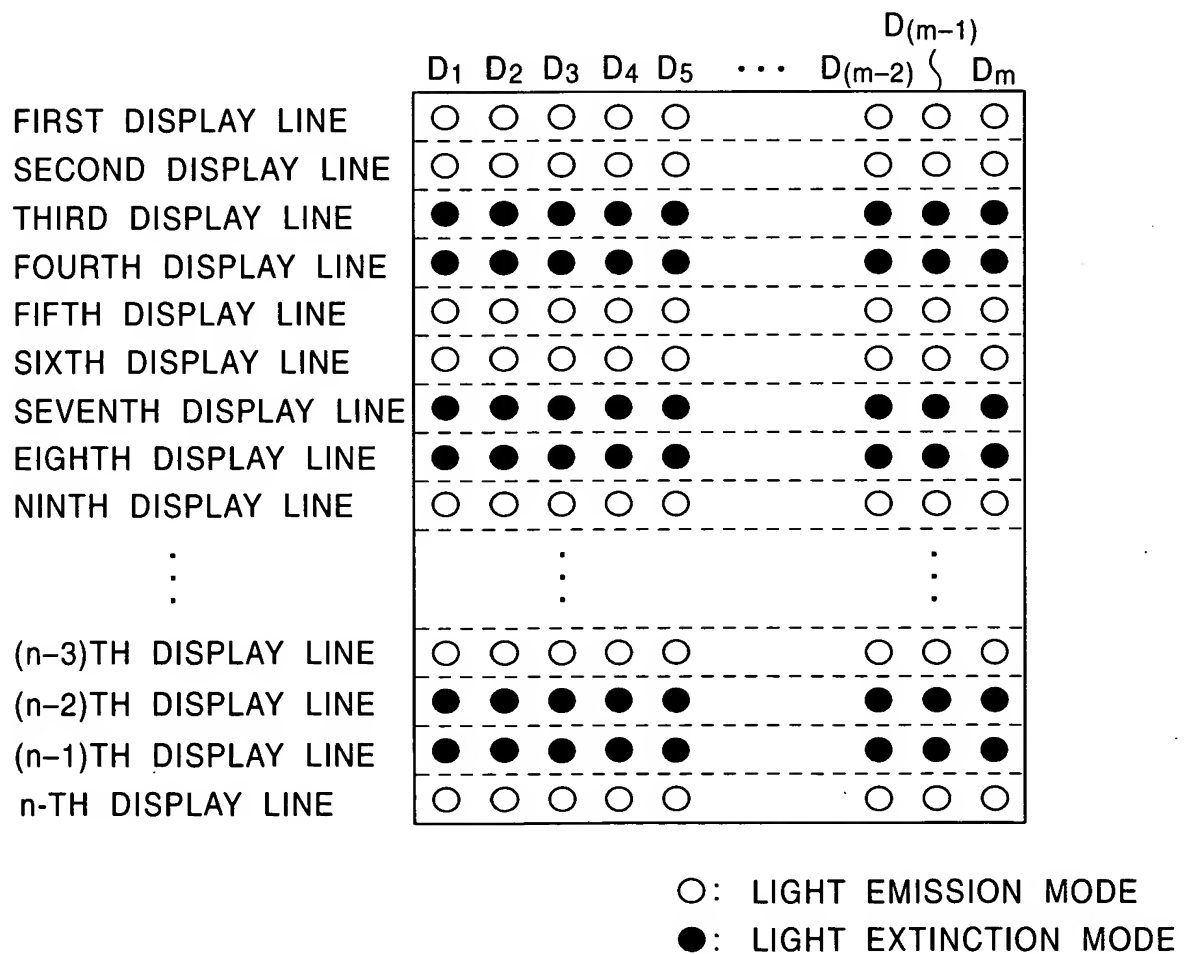


FIG. 12

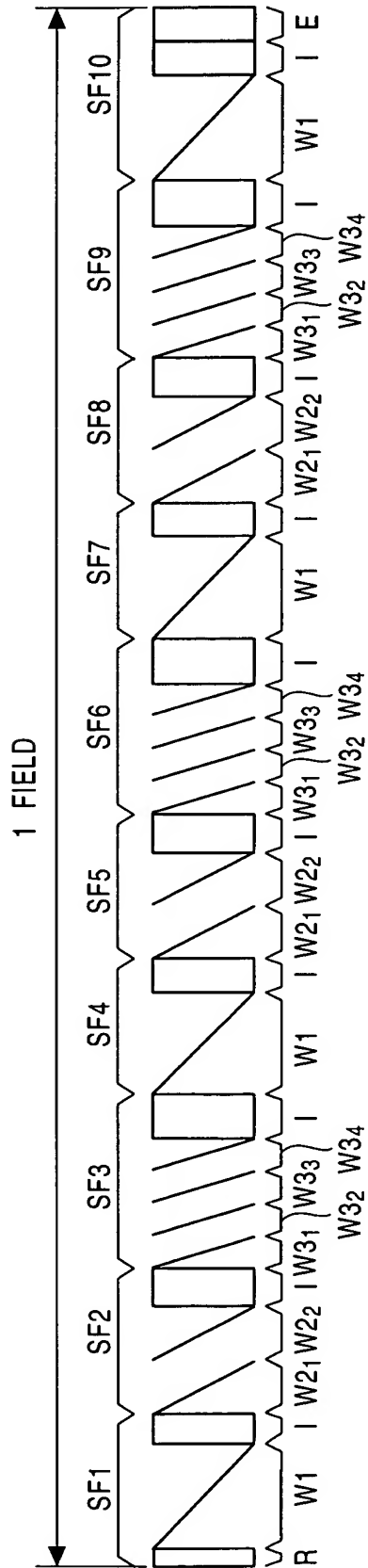


FIG. 13

